

Peripheral and Macular Photocoagulation



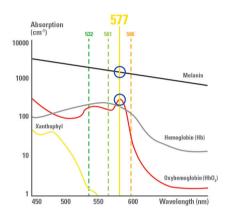
photocoagulator based on a technological breakthrough: fiber laser technology. Available with Haag Streit or Zeiss type slit lamps, it offers a large choice of treatment settings well

Easyret®: Yellow, MultiSpot and SubLiminal™ Modes

Yellow Laser - 577nm Wavelength:

Presented as the most versatile wavelength in the scientific literature. the 577nm wavelength offers the following benefits:

- Excellent combined absorption by both melanin and oxyhemoglobin (peak absorption of oxyhemoglobin) [1,2]
- Very little absorption by macular xanthophyll pigments [1,2]
- Excellent penetration through cataracts and hazy media [1,2]



MultiSpot Mode:

Characterized by the use of short pulse durations from 10 to 20 ms, the MultiSpot treatment mode offers many advantages over classical treatments:

- Less heat diffusion to the retina and choroid, less damage to the retinal nerve fiber layer [3,4]
- Comfortable treatment better tolerated by patients [5]
- Treatment time reduction (full PRP in 1 session) [6]

The MultiSpot treatment mode can be delivered through 5 customizable patterns for better adaptation to the treatment site.

Single spot - Squares - Circles - Triple arcs - Macular grid

SELECTION TYPE LASER SPOTS SINGLE SPOT SQUARES CIRCLES TRIPLE ARCS MACULAR GRID

DELIVERED

PATTERN

SubLiminal™ Mode:

Composed of a train of extremely short microsecond pulses, this subthreshold treatment mode (non-visible laser impacts) is a tissue sparing treatment mode avoiding scarring [7,8] while treating Diabetic Macular Edema [7] and Central Serous Chorioretinopathy [8].

The SubLiminal™ treatment mode can be delivered through 3 customizable patterns for better adaptation to the treatment site.

PATTERN SELECTION TYPE	DELIVERED LASER SPOTS
SINGLE SPOT	•
SQUARES	
CUSTOMIZABLE MACULAR GRID	



Easyret®:

Enhanced Software User Interface

3 Treatment Modes / 3 Dedicated Targets:

Easyret® provides an intuitive and versatile software user interface simplifying the use of the Single Spot, MultiSpot and SubLiminal™ treatment modes.

Built in a clinically oriented manner, Easyret® offers 3 different types of visible targets (aiming beam) facilitating the implementation of the laser spots with each treatment mode.







Treatment Report: •

After treatment, a detailed report can be generated in PDF format. It can be printed and / or saved on a dedicated USB key.





A WORLD FIRST TO MARKET IN PHOTOCOAGULATION:



Easyret®: Technology

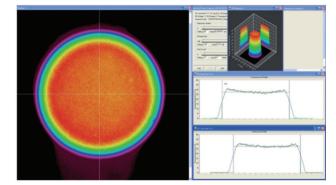
Fiber Laser Technology:

Stemming from the ELBATM technology, developed and successfully marketed by Quantel Laser for various applications, this new generation of laser cavity provides unique advantages:

- An excellent beam quality ensuring a homogeneous laser spot profile (top hat)
- The emission of pure 577nm yellow wavelength
- An extended lifetime thanks to a simple, compact and reliable technology

The fiber laser technology is a variation of the standard solid-state laser technology.

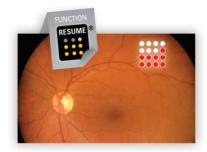
In fiber lasers, the lasing medium is composed of an optical fiber doped with rare earth elements and optically pumped by diodes.



Resume® Technology:

Easyret® features the proprietary Resume® function offering more flexibility to the operator in the implementation of the MultiSpot and the SubLiminal™ treatment modes.

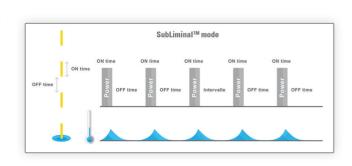
- In MultiSpot mode, the pattern delivery can be paused and resumed (the previous shots are remembered)
- In SubLiminal[™] mode, the treatment is combined with the pattern scan mode and delivered semi-automatically in several steps



SubLiminal™ Technology:

In addition to SingleSpot and MultiSpot delivery modes, Easyret® features the SubLiminal™technology.

The use of this subthreshold treatment mode converts each laser shot into a "pulse envelope" composed of a customizable train of short pulses, allowing the operator to fully adjust the pulse duration (On Time) and interval (Off Time). This fined-tuned control of the laser treatment settings ensures a precise management of the thermal effect on the targeted tissues.





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EASYRET SPECIFICATIONS

fiber laser technology Laser source: Wavelength: vellow 577nm Power at tissue up to: 2000 mW

Pulse duration: 10 ms to continuous

Single snot modes: single, repeat, painting, continuous SubLiminal™ mode: train of microsecond pulses adjustable duty cycle: 5% to 100%

TECHNICAL SPECIFICATIONS

available in Multispot and SubLiminal™ modes Resume® function:

Pattern:

MultiSpot mode: single spot, squares, circles, triple arc, macular grid Subl iminal™ mode: single spot, squares, customizable macular grid

Spot size: Single spot: Pattern:

continuously variable from 50 um to 400 um continuously variable from 100 μm to 400 μm

Integrated slit lamps:

Quantel Medical (CSO 9900 5x) Haag Streit type: Zeiss type: Quantel Medical (CSO 9800 5x)

635 - 650nm Aiming beam:

Size: 174.2 (H) x 97 (W) x 72 (D) cm

68.58" (H) x 38.19" (W) x 28.35" (D)

Weight: 60 kg - 132 lbs Cooling: by Peltier effect

Power requirements: 100 to 240 VAC, 350 VA, 50/60 Hz

OPTIONAL FEATURES

Second laser port

Laser indirect ophthalmoscopes: Heine Omega 500 or Keeler Vantage Plus

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